

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061220\
 Data File : BN010855.D
 Acq On : 12 Jun 2020 23:06
 Operator : CG/JU
 Sample : L2988-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE134D2-20200608

Quant Time: Jun 13 01:34:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 11:11:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2492	0.40	ng	0.00
7) Naphthalene-d8	10.30	136	8816	0.40	ng	0.00
13) Acenaphthene-d10	14.17	164	5026	0.40	ng	-0.01
19) Phenanthrene-d10	16.92	188	9894	0.40	ng	0.00
27) Chrysene-d12	21.13	240	10057	0.40	ng	0.00
34) Perylene-d12	23.28	264	10900	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	274	0.06	ng	0.00
5) Phenol-d6	6.75	99	230	0.04	ng	0.00
8) Nitrobenzene-d5	8.69	82	2239	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.90	152	4185	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.68	330	284	0.16	ng	0.00
15) 2-Fluorobiphenyl	12.80	172	6541	0.33	ng	0.00
25) Fluoranthene-d10	18.96	212	10643	0.39	ng	0.00
29) Terphenyl-d14	19.57	244	12450	0.53	ng	0.00

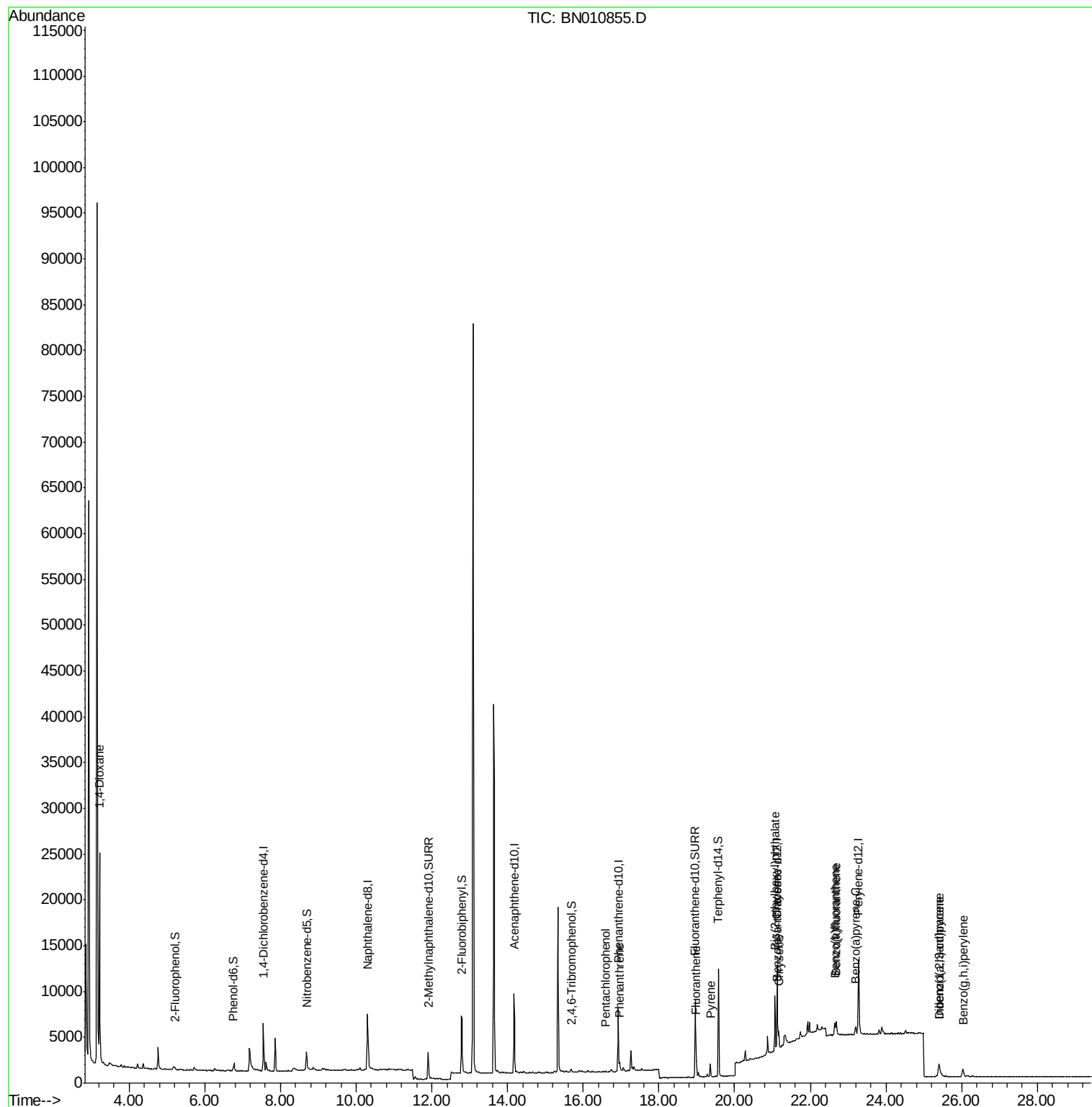
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	17879	7.325	ng	98
22) Pentachlorophenol	16.59	266	82	0.039	ng	# 75
23) Phenanthrene	16.96	178	1011	0.037	ng	96
26) Fluoranthene	18.99	202	1564	0.051	ng	# 95
28) Pyrene	19.36	202	1426	0.043	ng	99
30) Benzo(a)anthracene	21.11	228	1291	0.044	ng	# 86
31) Chrysene	21.16	228	1484	0.043	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.07	149	5094	0.517	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.39	276	1803	0.047	ng	100
35) Benzo(b)fluoranthene	22.65	252	1643	0.044	ng	# 29
36) Benzo(k)fluoranthene	22.68	252	1668	0.042	ng	# 16
37) Benzo(a)pyrene	23.18	252	1194	0.038	ng	# 1
38) Dibenzo(a,h)anthracene	25.41	278	1476	0.041	ng	# 34
39) Benzo(g,h,i)perylene	26.03	276	1663	0.044	ng	# 70

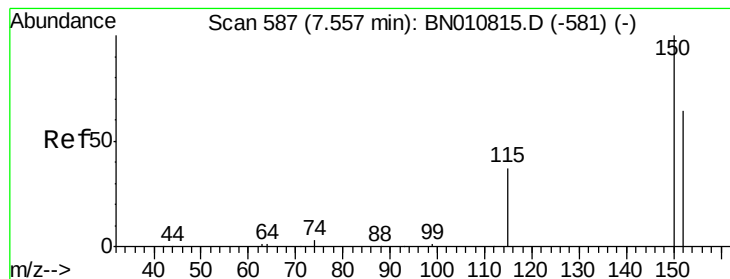
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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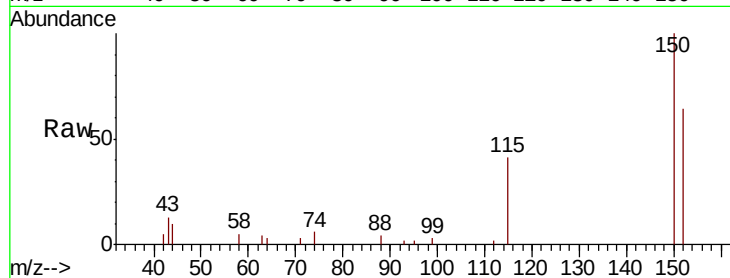


#1

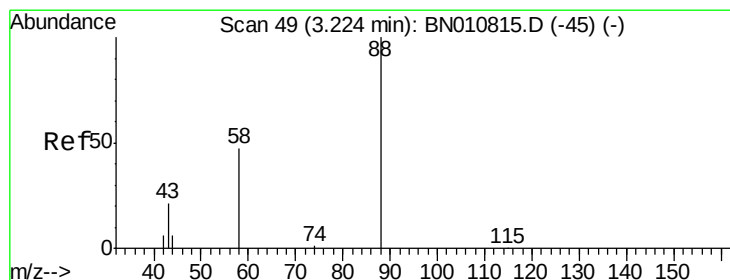
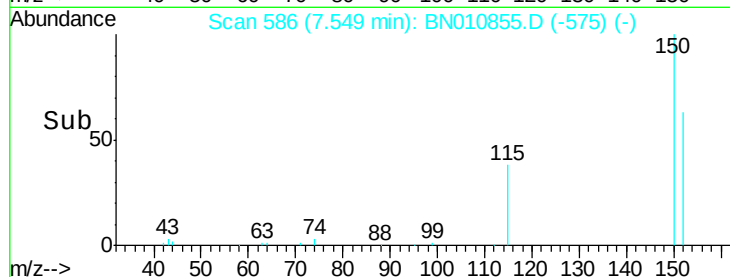
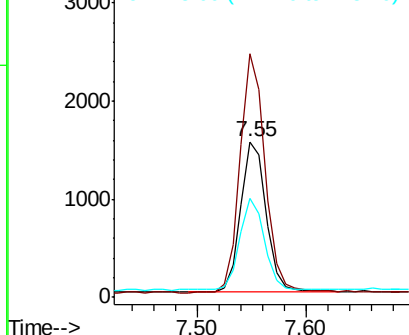
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.55 min Scan# 586
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tot Ion:152 Resp: 2492
Ion Ratio Lower Upper
152 100
150 156.8 123.8 185.6
115 63.5 49.2 73.8



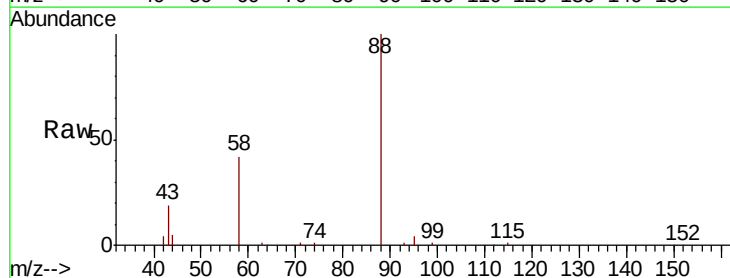
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



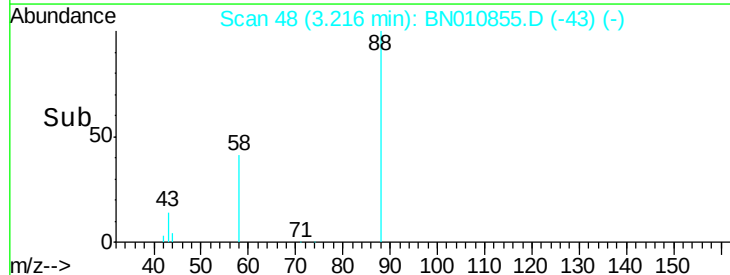
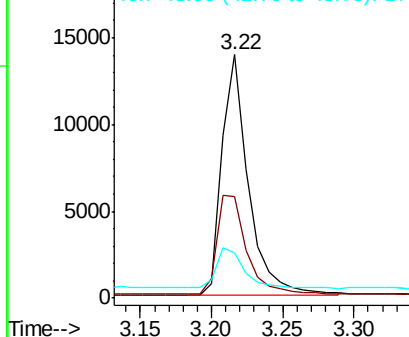
#2

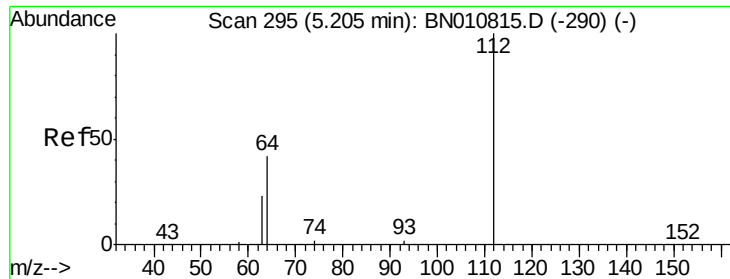
1,4-Dioxane
Concen: 7.325 ng
RT: 3.22 min Scan# 48
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion: 88 Resp: 17879
Ion Ratio Lower Upper
88 100
58 46.4 38.2 57.4
43 18.0 15.1 22.7



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.057 ng

RT: 5.21 min Scan# 295

Delta R.T. 0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608

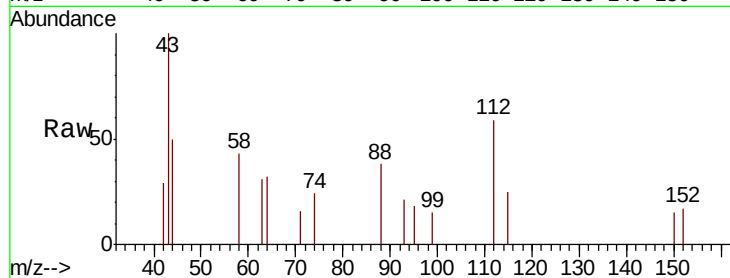
Tot Ion: 112 Resp: 274

Ion Ratio Lower Upper

112 100

64 44.2 37.4 56.0

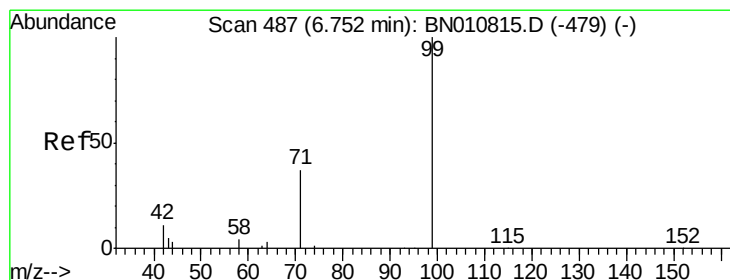
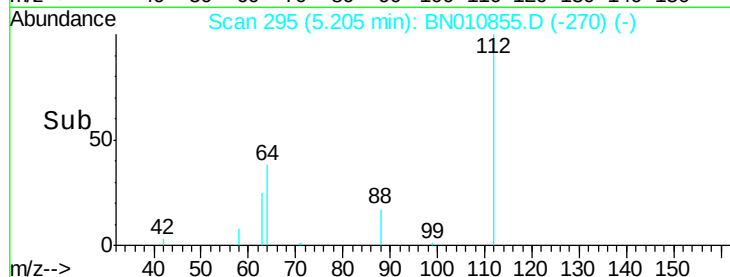
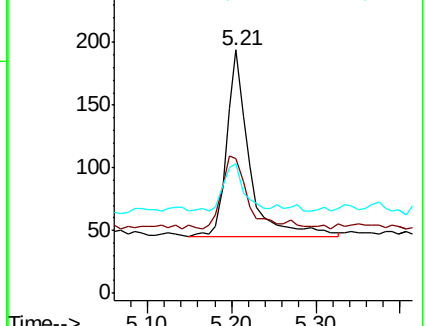
63 23.7 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 0.041 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

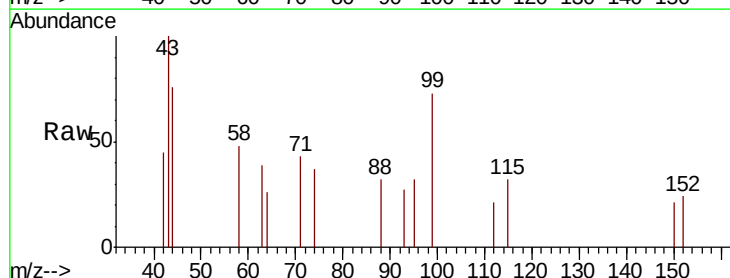
Tgt Ion: 99 Resp: 230

Ion Ratio Lower Upper

99 100

42 0.0 11.1 16.7#

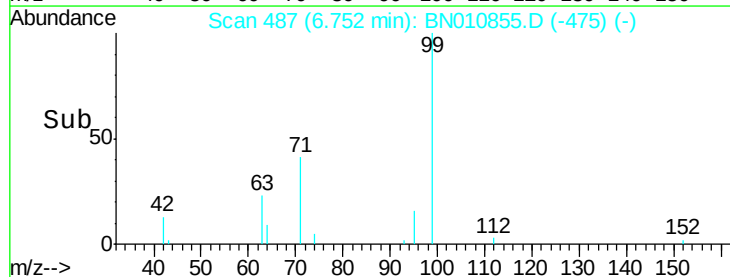
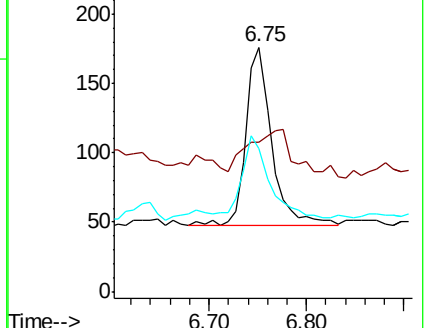
71 50.0 31.4 47.2#

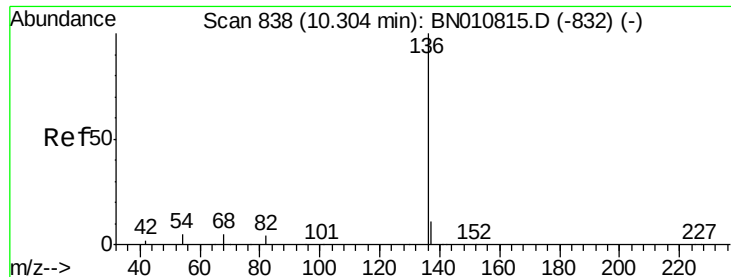


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608

Tot Ion:136 Resp: 8816

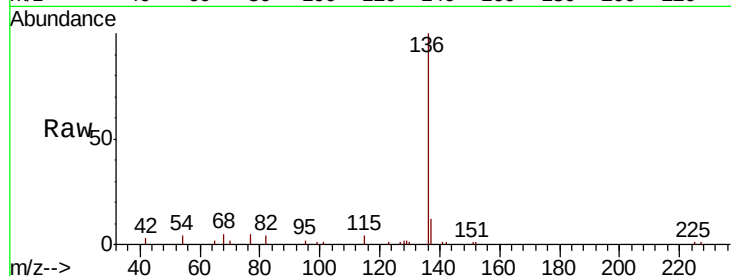
Ion Ratio Lower Upper

136 100

137 12.2 9.7 14.5

54 4.4 4.9 7.3#

68 5.0 4.7 7.1

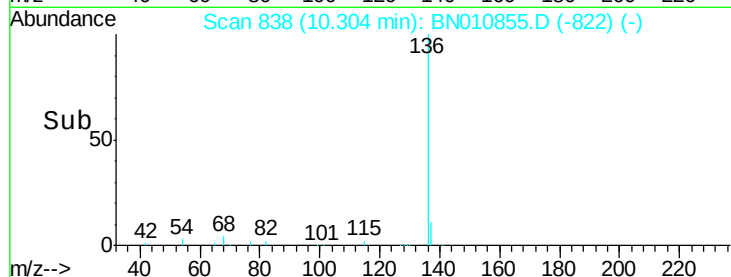


Abundance Ion 136.00 (135.70 to 136.70): E

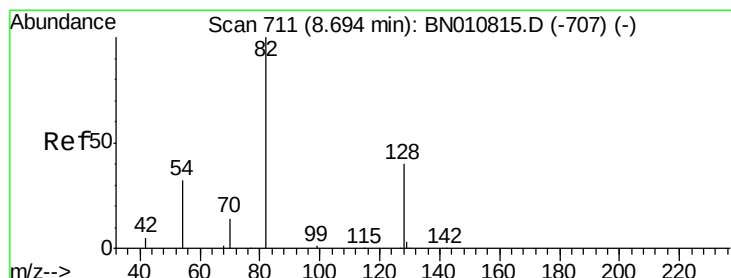
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



Time-->



#8

Nitrobenzene-d5

Concen: 0.343 ng

RT: 8.69 min Scan# 711

Delta R.T. 0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

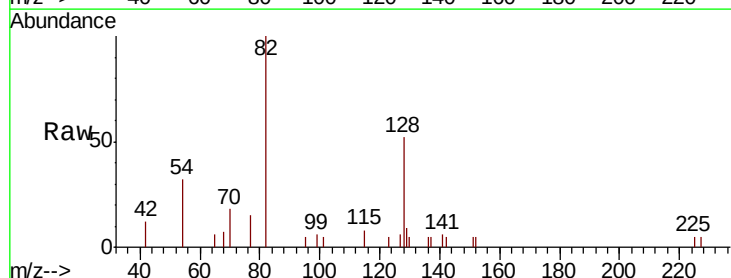
Tgt Ion: 82 Resp: 2239

Ion Ratio Lower Upper

82 100

128 52.1 35.4 53.0

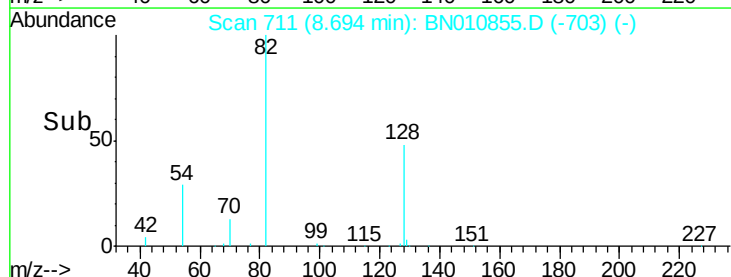
54 32.3 28.2 42.4



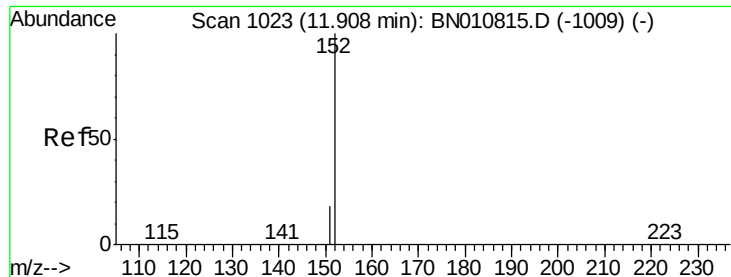
Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC



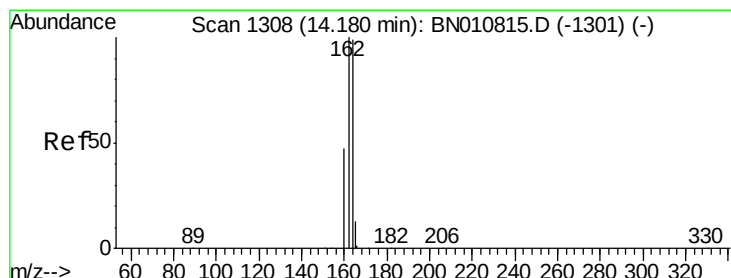
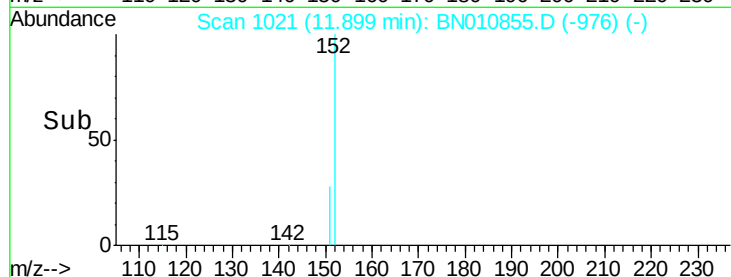
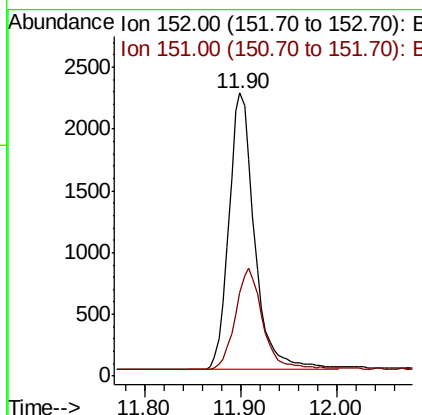
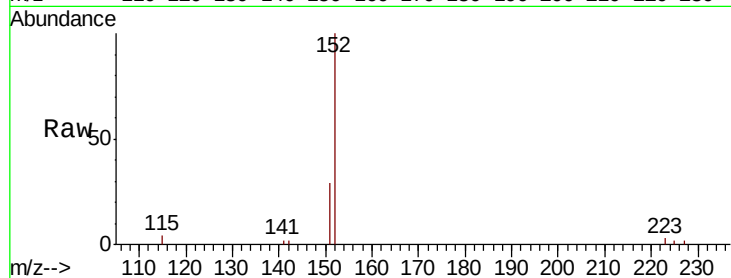
Time-->



#11
2-Methylnaphthalene-d10
Concen: 0.306 ng
RT: 11.90 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

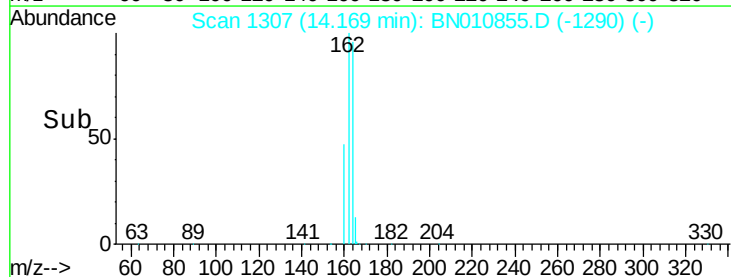
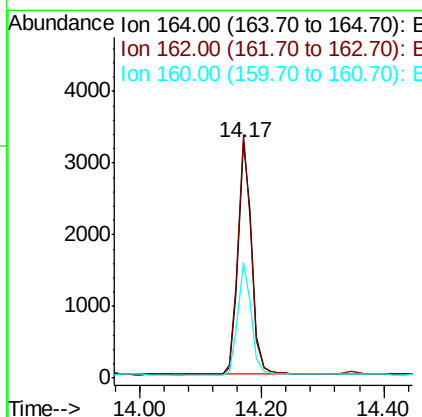
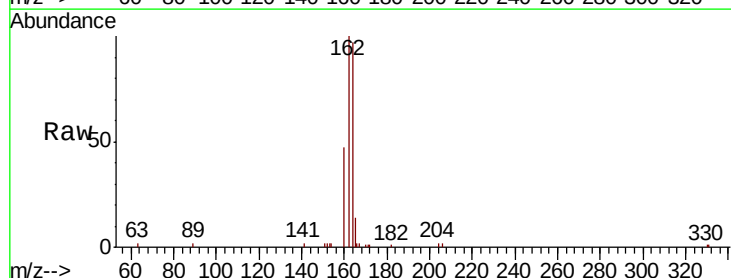
Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

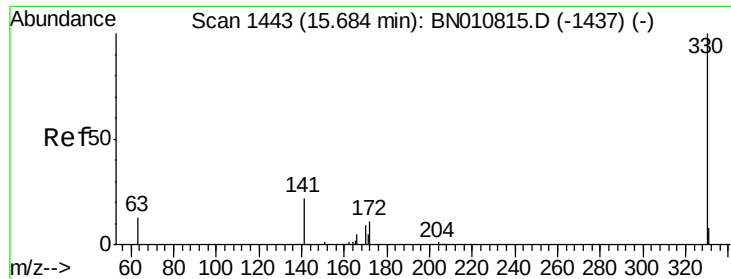
Tot Ion:152 Resp: 4185
Ion Ratio Lower Upper
152 100
151 38.9 15.3 22.9#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.17 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:164 Resp: 5026
Ion Ratio Lower Upper
164 100
162 103.3 81.0 121.6
160 48.9 38.9 58.3

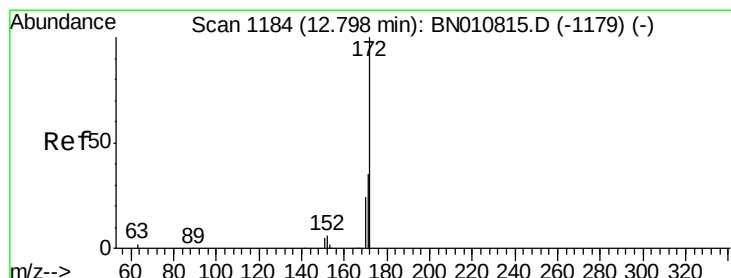
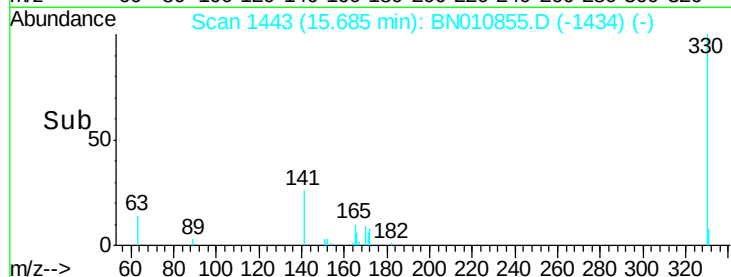
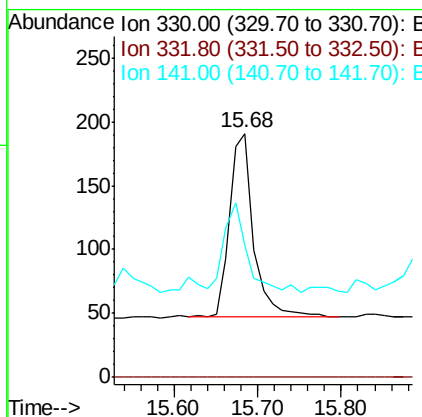
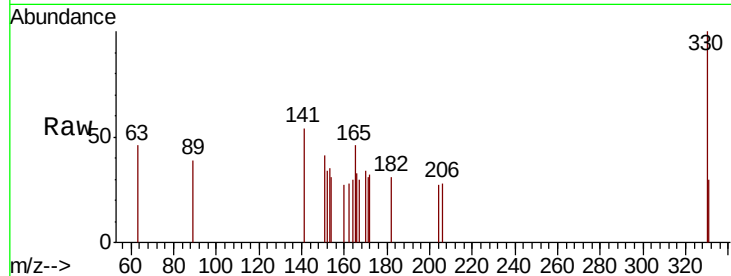




#14
 2,4,6-Tribromophenol
 Concen: 0.158 ng
 RT: 15.68 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: BN010855.D
 Acq: 12 Jun 2020 23:06

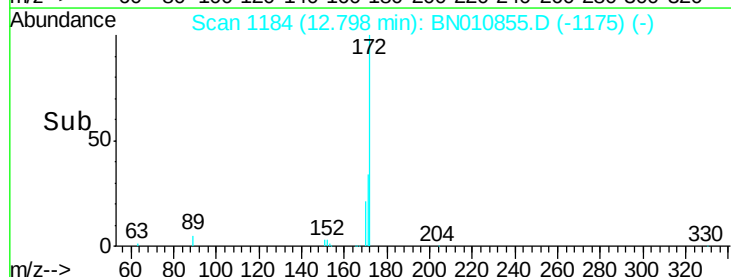
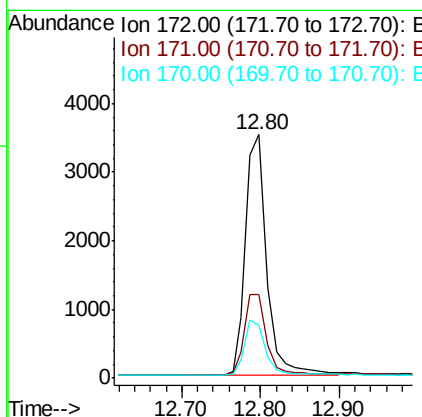
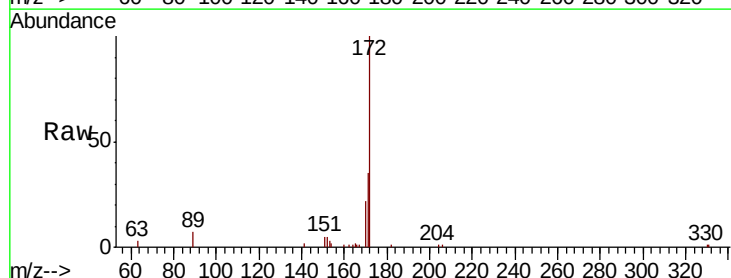
Instrument :
 BNA_N
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 RE134D2-20200608

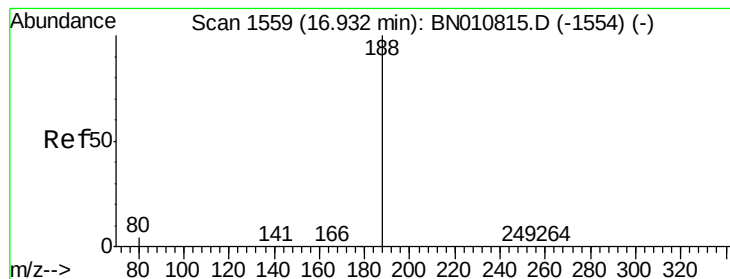
Tot Ion:330 Resp: 284
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 47.2 33.2 49.8



#15
 2-Fluorobiphenyl
 Concen: 0.330 ng
 RT: 12.80 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BN010855.D
 Acq: 12 Jun 2020 23:06

Tgt Ion:172 Resp: 6541
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.5 42.7
 170 21.9 19.7 29.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608

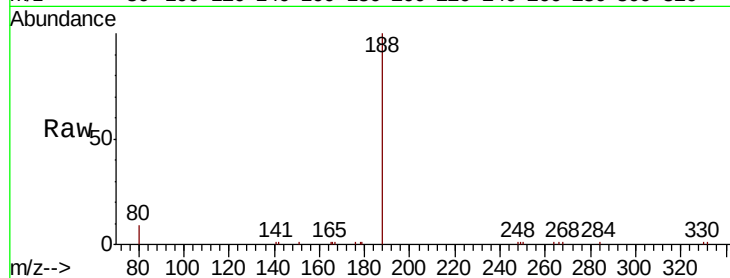
Tot Ion:188 Resp: 9894

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.1 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

16.92

8000

6000

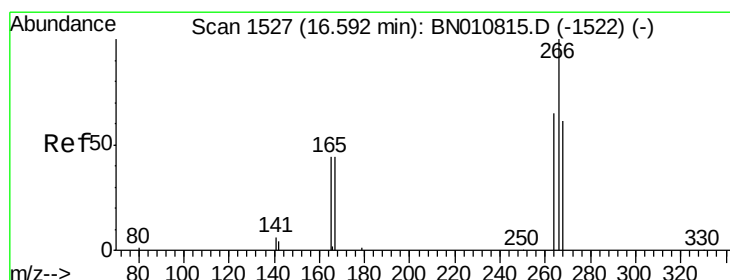
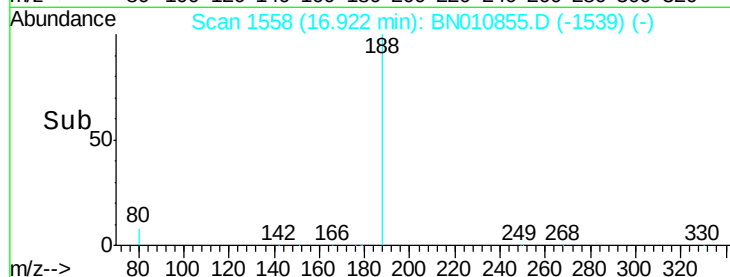
4000

2000

0

Time-->

16.80 16.90 17.00



#22

Pentachlorophenol

Concen: 0.039 ng

RT: 16.59 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

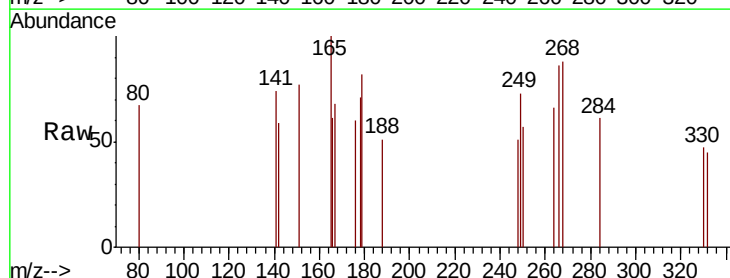
Tgt Ion:266 Resp: 82

Ion Ratio Lower Upper

266 100

264 76.5 54.8 82.2

268 102.4 55.9 83.9#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

16.59

120

100

80

60

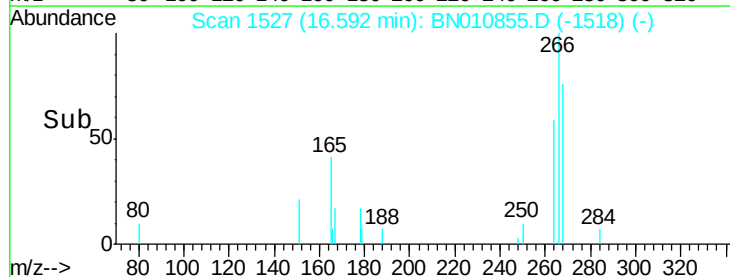
40

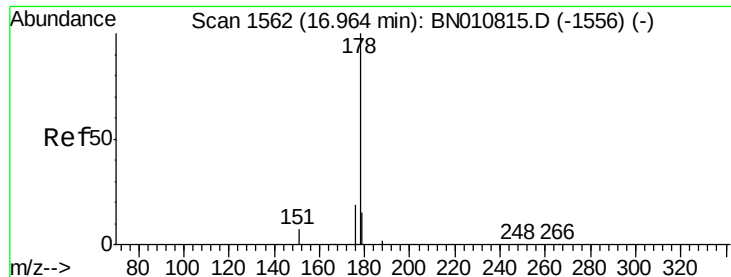
20

0

Time-->

16.50 16.60 16.70





#23

Phenanthrene

Concen: 0.037 ng

RT: 16.96 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

Instrument :

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RE134D2-20200608

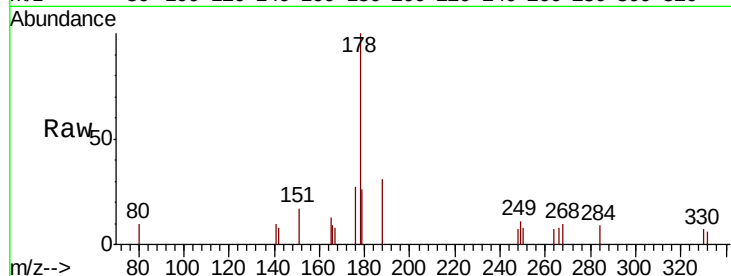
Tot Ion:178 Resp: 1011

Ion Ratio Lower Upper

178 100

176 20.1 15.3 22.9

179 18.9 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.96

800

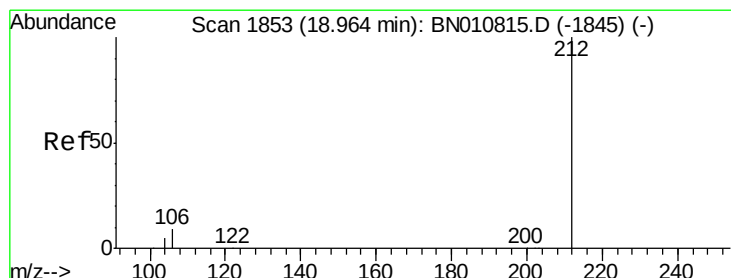
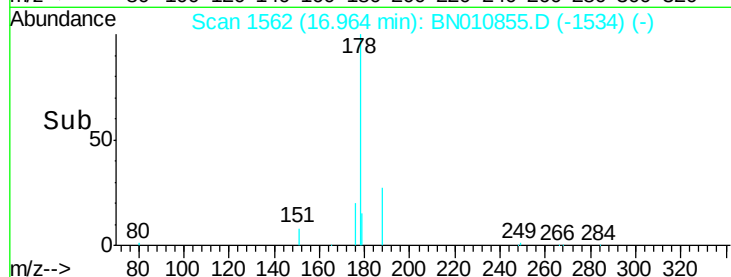
600

400

200

0

Time-->



#25

Fluoranthene-d10

Concen: 0.390 ng

RT: 18.96 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

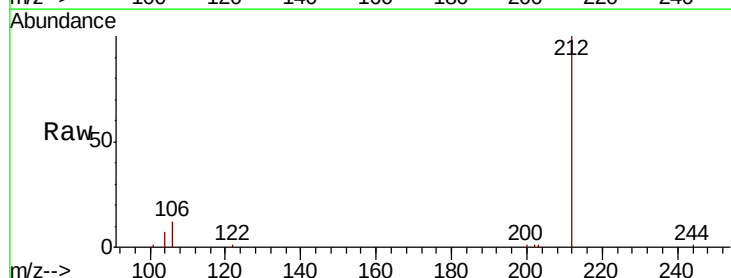
Tgt Ion:212 Resp: 10643

Ion Ratio Lower Upper

212 100

106 10.7 6.6 10.0#

104 5.8 4.0 6.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

18.96

10000

8000

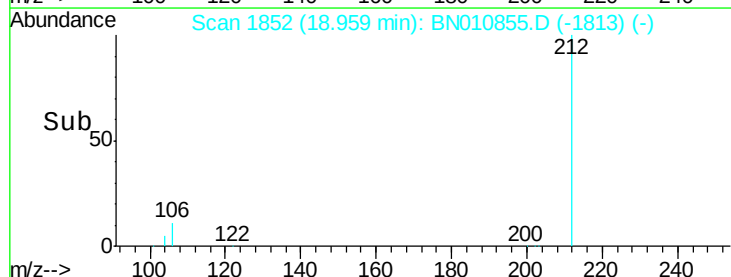
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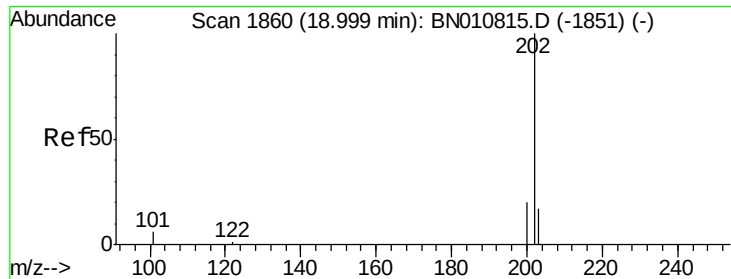
4000

2000

0

Time-->

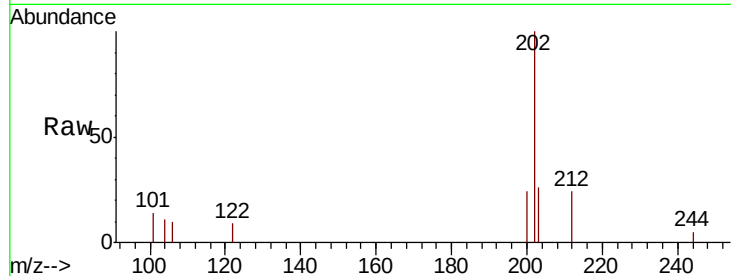




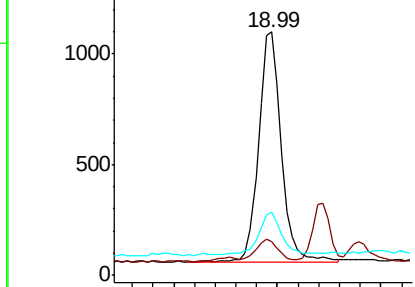
#26
Fluoranthene
Concen: 0.051 ng
RT: 18.99 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

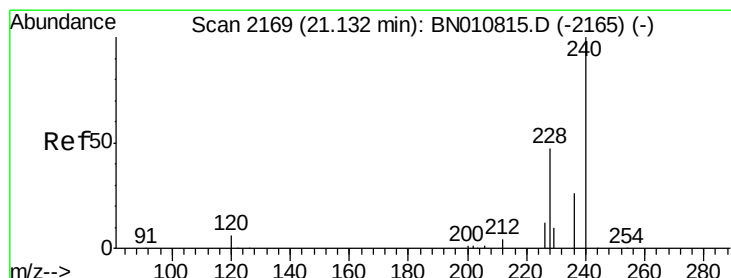
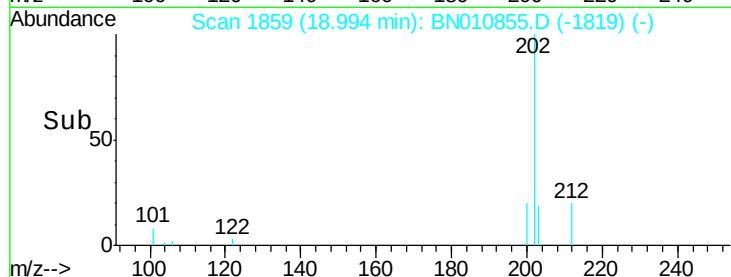
Tot Ion:202 Resp: 1564
Ion Ratio Lower Upper
202 100
101 9.7 5.8 8.6#
203 18.8 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

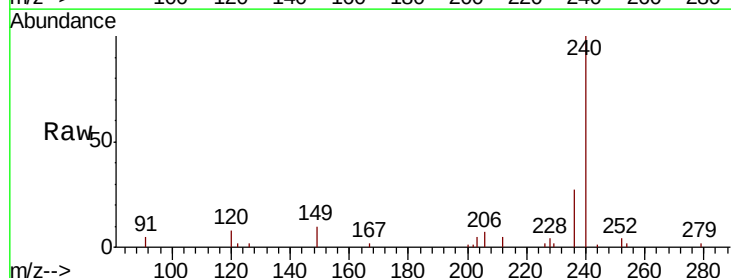


Time-->

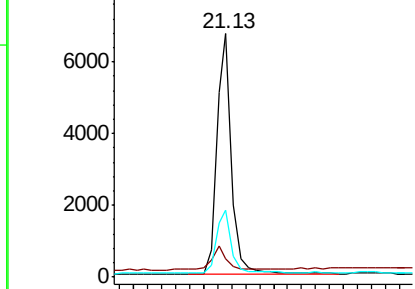


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.13 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

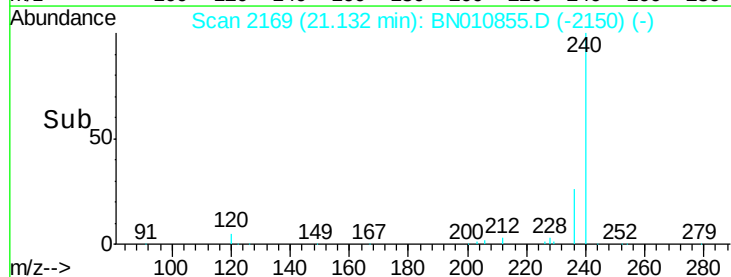
Tgt Ion:240 Resp: 10057
Ion Ratio Lower Upper
240 100
120 7.6 7.5 11.3
236 27.4 22.3 33.5

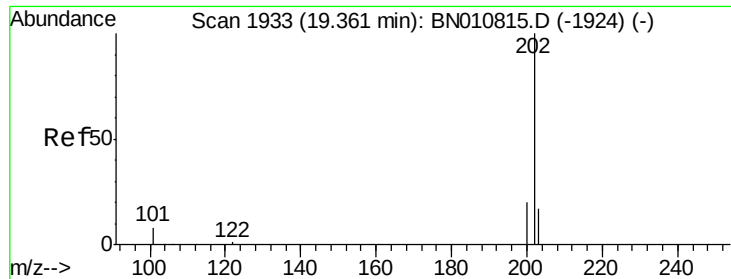


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#28

Pvrene

Concen: 0.043 ng

RT: 19.36 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608

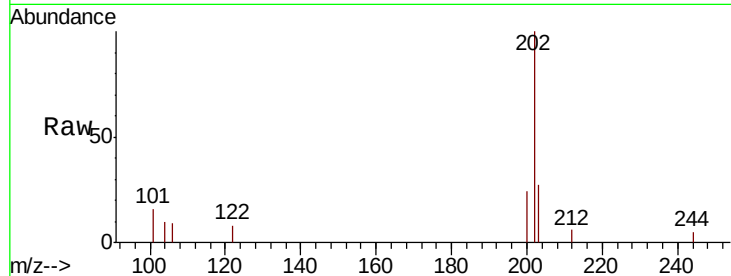
Tot Ion:202 Resp: 1426

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

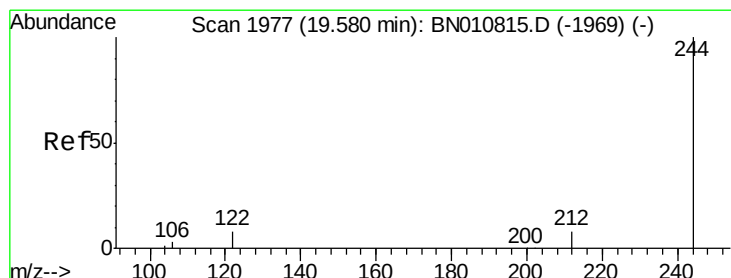
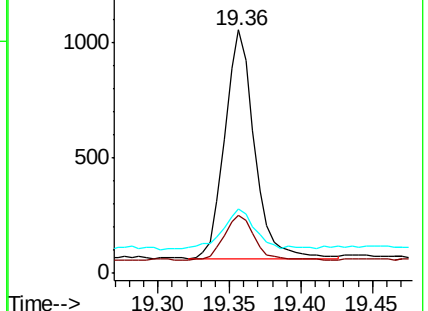
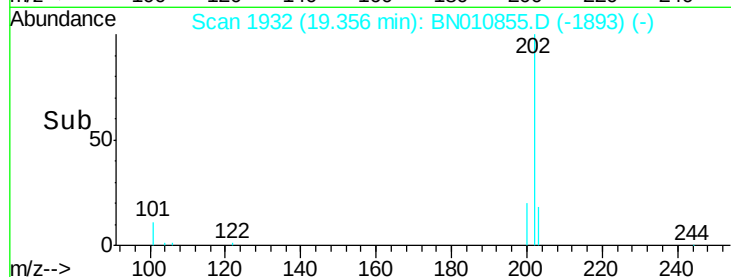
203 18.7 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.529 ng

RT: 19.57 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

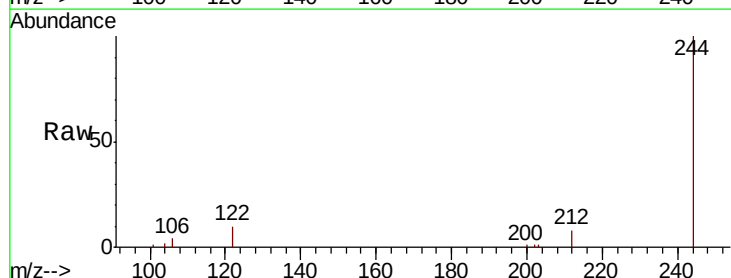
Tgt Ion:244 Resp: 12450

Ion Ratio Lower Upper

244 100

212 8.3 7.4 11.2

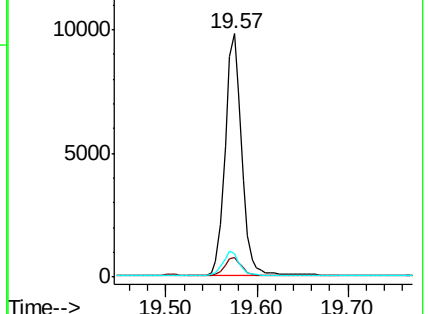
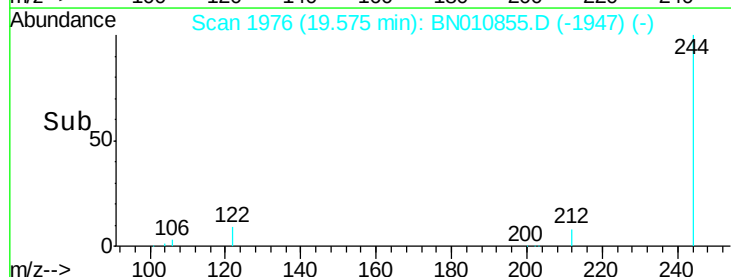
122 9.5 7.5 11.3

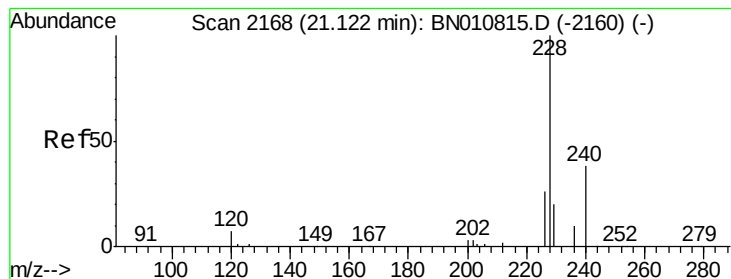


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.044 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608

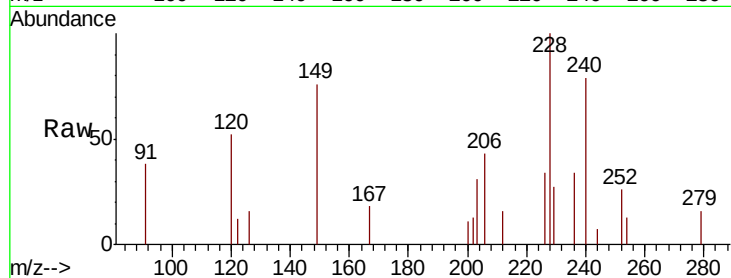
Tot Ion:228 Resp: 1291

Ion Ratio Lower Upper

228 100

226 34.0 21.3 31.9#

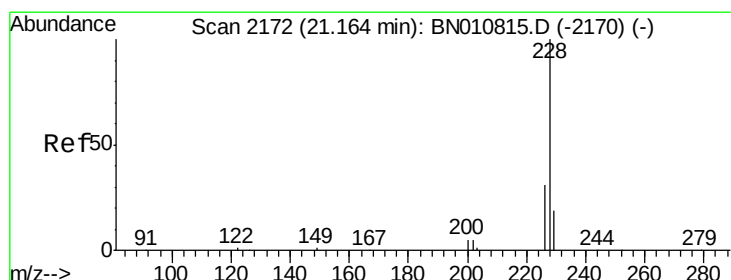
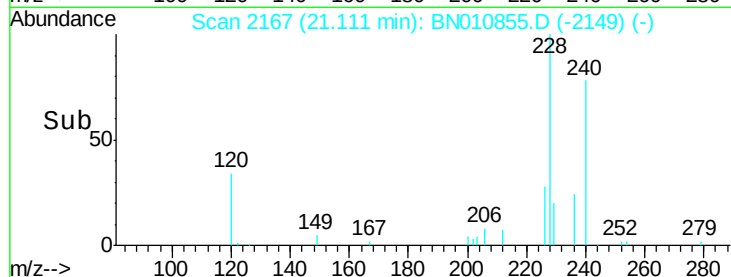
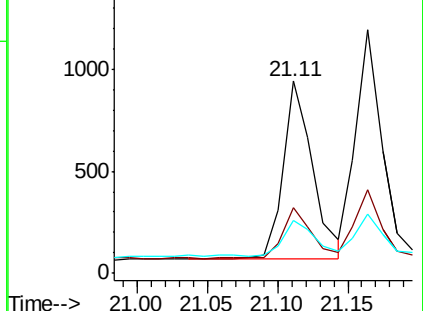
229 27.2 16.6 24.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.043 ng

RT: 21.16 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

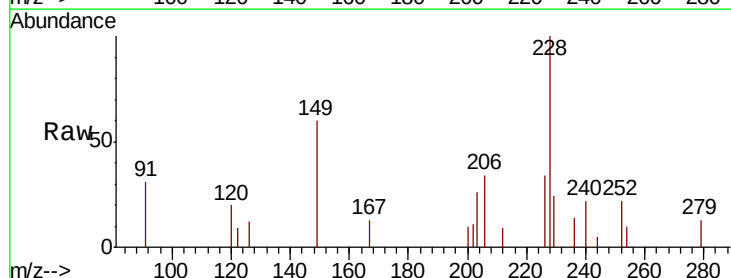
Tgt Ion:228 Resp: 1484

Ion Ratio Lower Upper

228 100

226 34.4 25.0 37.6

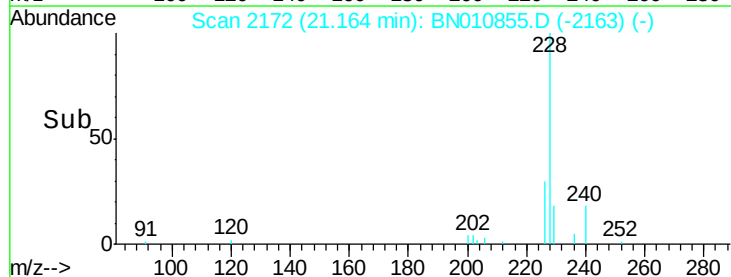
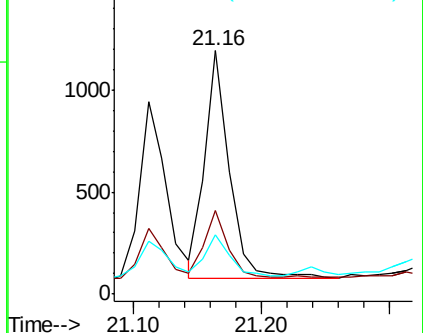
229 24.5 16.1 24.1#

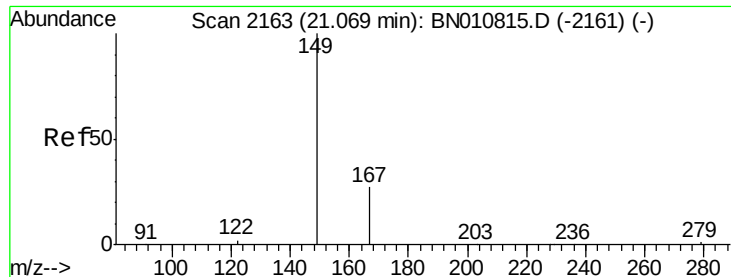


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.517 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608

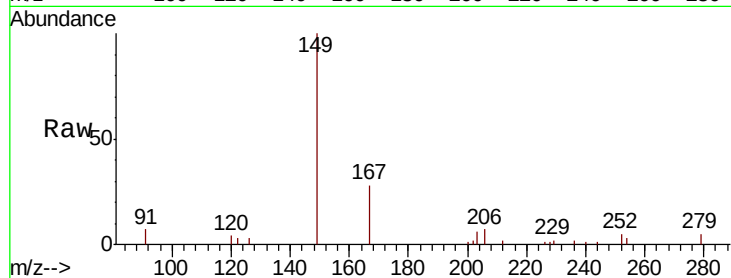
Tot Ion:149 Resp: 5094

Ion Ratio Lower Upper

149 100

167 27.4 24.1 36.1

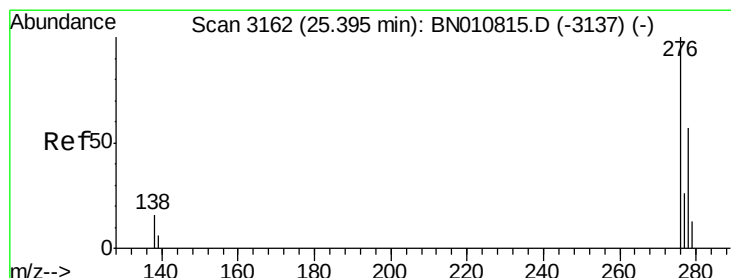
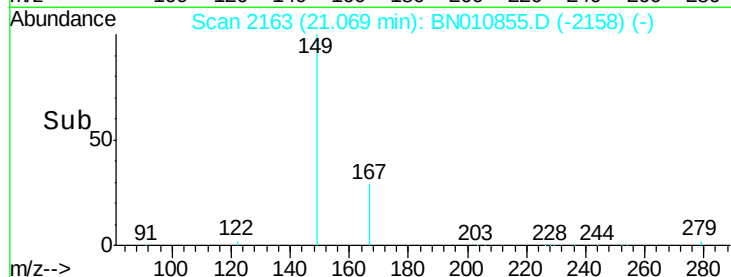
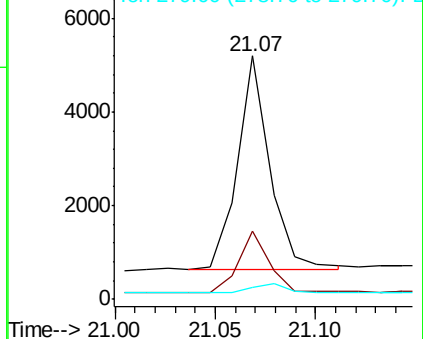
279 4.4 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.047 ng

RT: 25.39 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

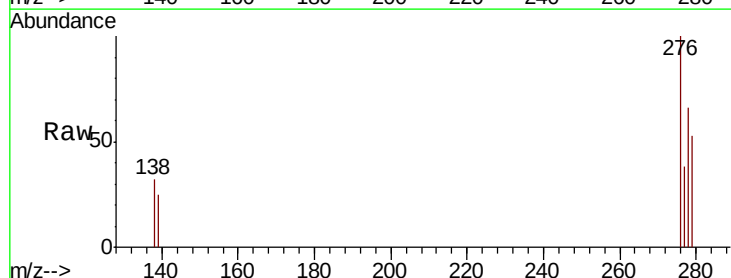
Tgt Ion:276 Resp: 1803

Ion Ratio Lower Upper

276 100

138 16.4 13.0 19.6

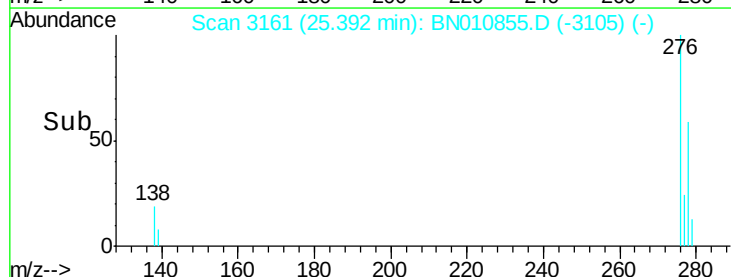
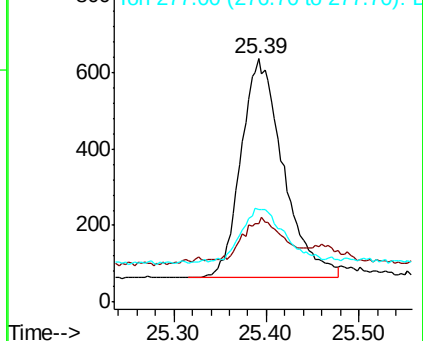
277 24.5 19.7 29.5

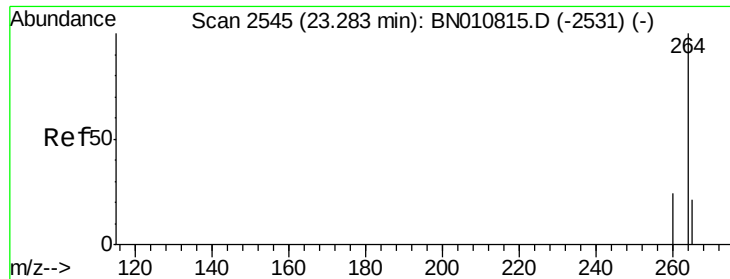


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

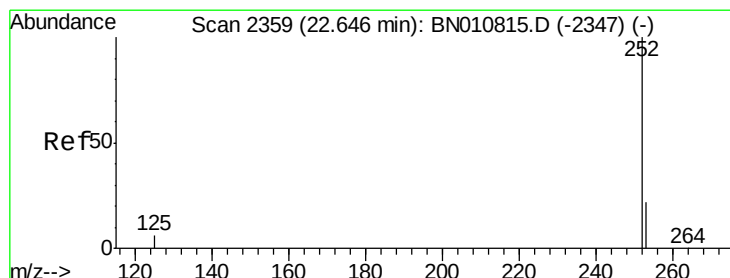
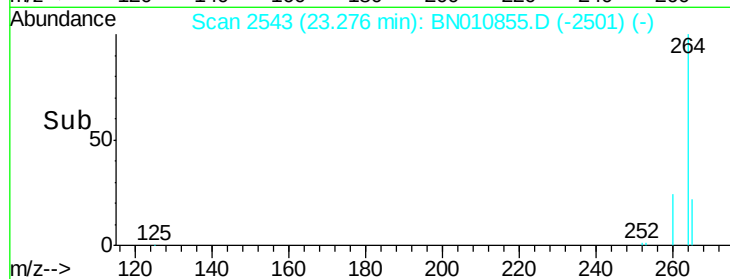
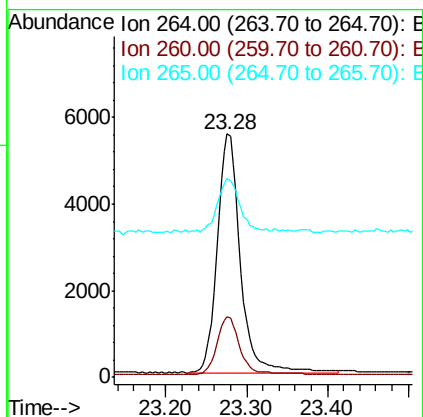
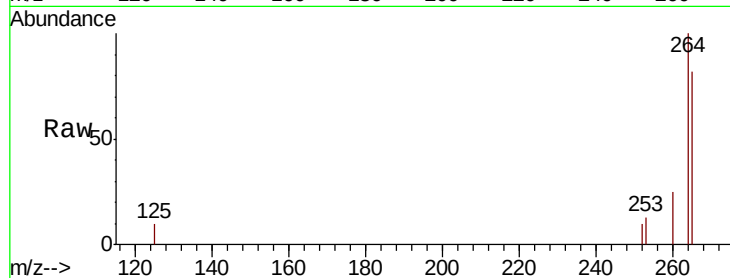




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.28 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BN010855.D
 Acq: 12 Jun 2020 23:06

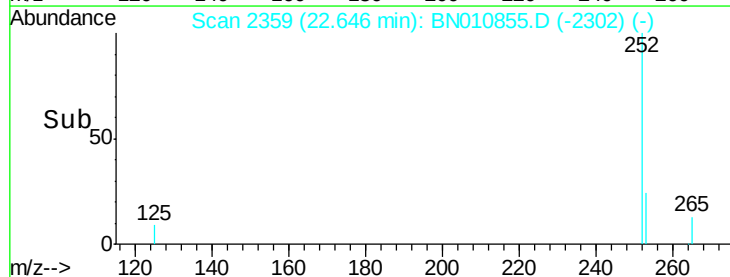
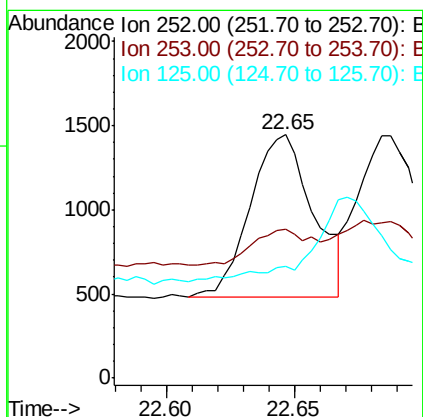
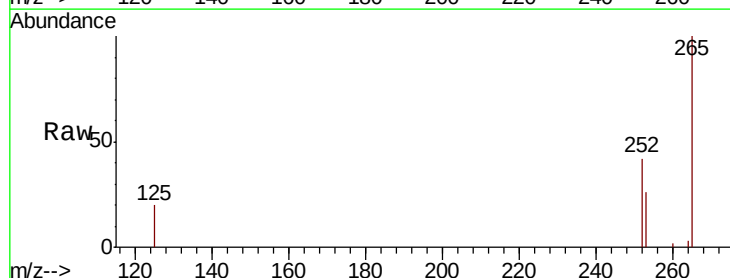
Instrument :
 BNA_N
 ClientSampleId :
 RE134D2-20200608

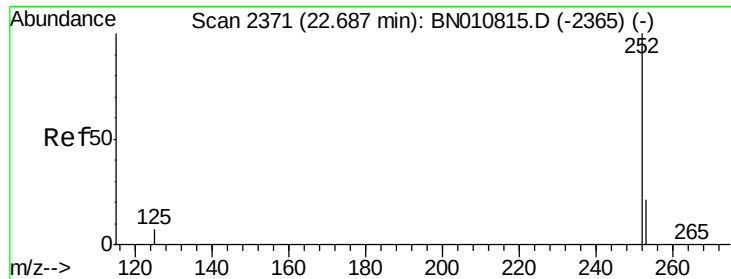
Tot Ion:264 Resp: 10900
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.4 30.6
 265 81.5 75.0 112.4



#35
 Benzo(b)fluoranthene
 Concen: 0.044 ng
 RT: 22.65 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: BN010855.D
 Acq: 12 Jun 2020 23:06

Tgt Ion:252 Resp: 1643
 Ion Ratio Lower Upper
 252 100
 253 61.2 22.4 33.6#
 125 46.1 9.4 14.0#

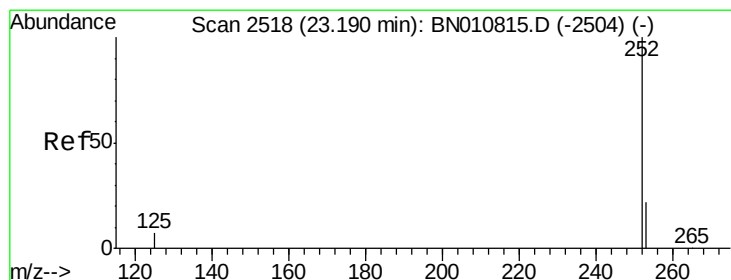
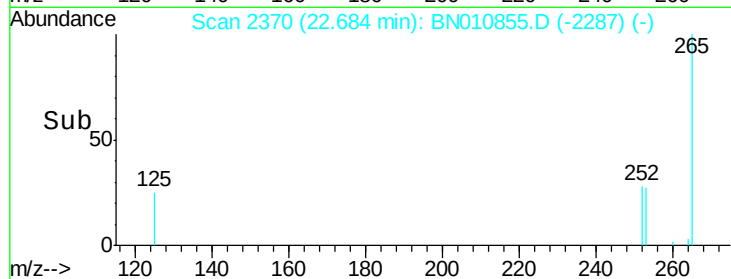
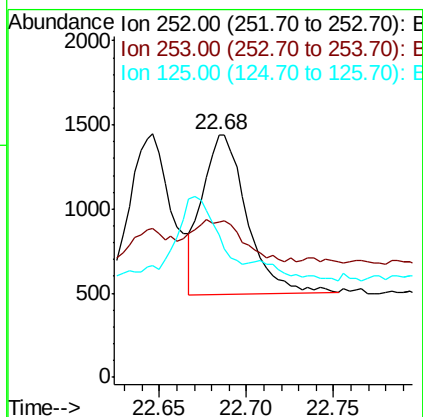
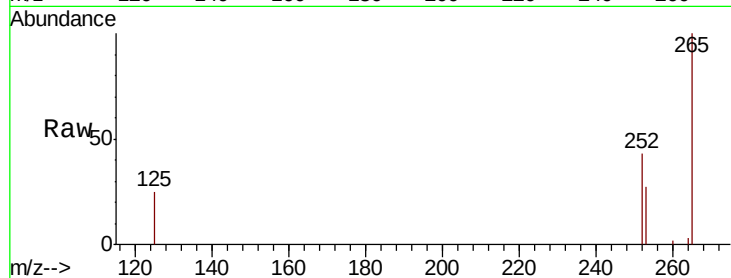




#36
Benzo(k)fluoranthene
Concen: 0.042 ng
RT: 22.68 min Scan# 2370
Delta R.T. -0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

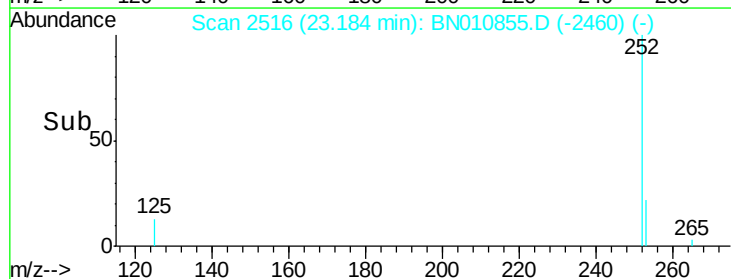
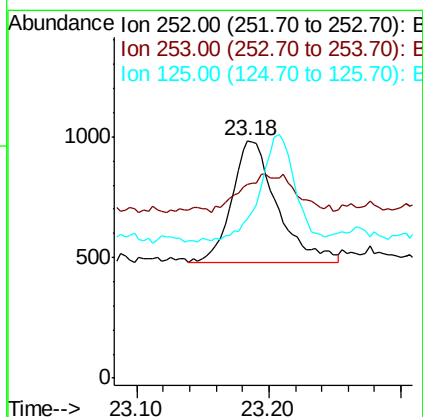
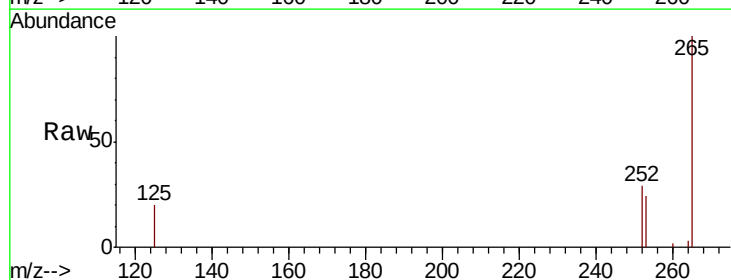
Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

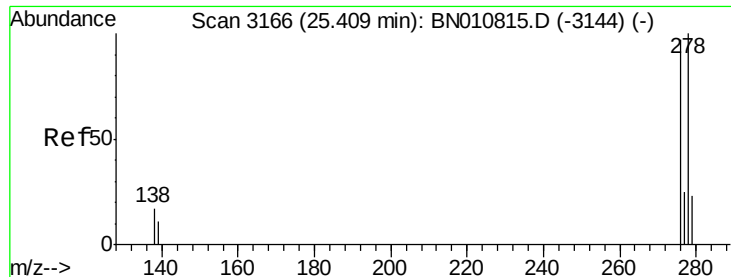
Tot Ion:252 Resp: 1668
Ion Ratio Lower Upper
252 100
253 63.8 22.2 33.4#
125 58.8 9.8 14.8#



#37
Benzo(a)pyrene
Concen: 0.038 ng
RT: 23.18 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:252 Resp: 1194
Ion Ratio Lower Upper
252 100
253 81.5 25.8 38.8#
125 67.1 12.4 18.6#





#38

Dibenzo(a,h)anthracene

Concen: 0.041 ng

RT: 25.41 min Scan# 3165

Delta R.T. -0.00 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608

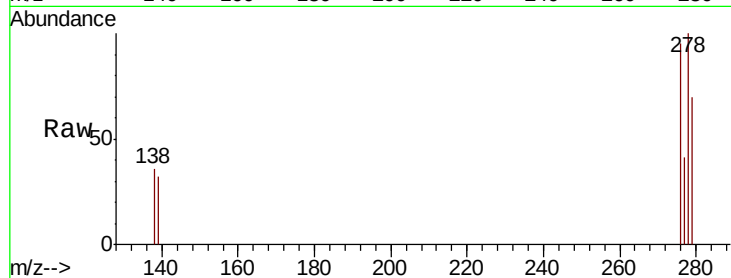
Tot Ion:278 Resp: 1476

Ion Ratio Lower Upper

278 100

139 31.7 10.6 15.8#

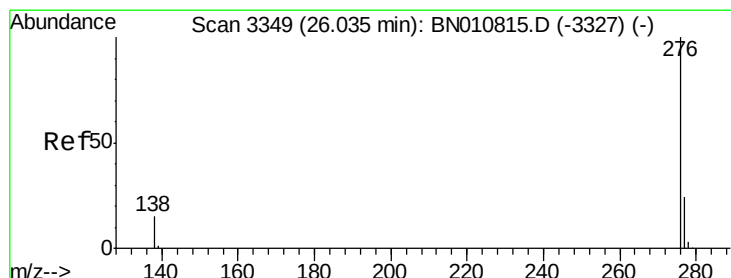
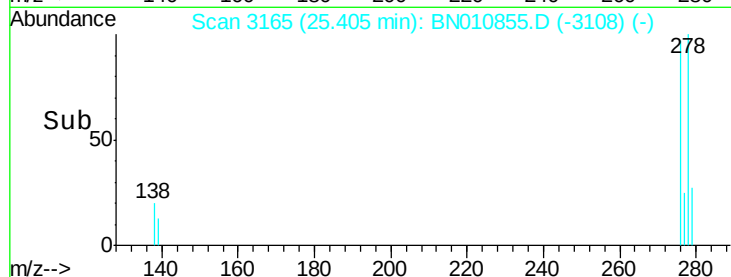
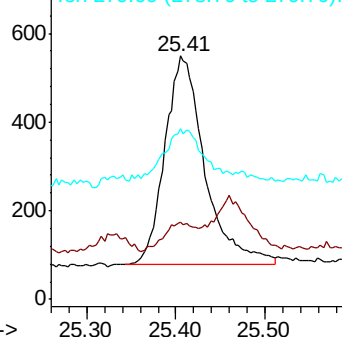
279 69.9 23.6 35.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.044 ng

RT: 26.03 min Scan# 3347

Delta R.T. -0.01 min

Lab File: BN010855.D

Acq: 12 Jun 2020 23:06

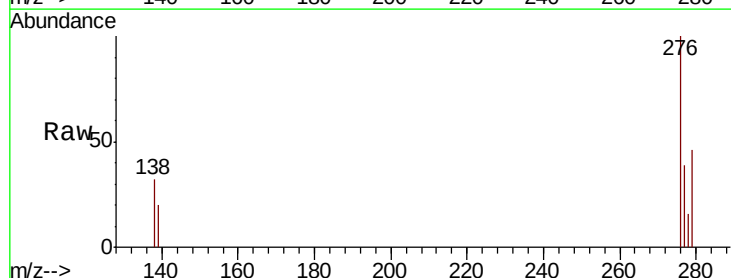
Tgt Ion:276 Resp: 1663

Ion Ratio Lower Upper

276 100

277 39.4 20.5 30.7#

138 32.3 13.7 20.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

